UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/773,646	02/05/2004	Ashok Mantravadi	030262	7644
	7590 05/19/200 INCORPORATED	9	EXAMINER	
5775 MOREHO SAN DIEGO, O	OUSE DR.		YUN, EUGENE	
SAN DIEGO, C	1 92121		ART UNIT	PAPER NUMBER
			2618	
			NOTIFICATION DATE	DELIVERY MODE
			05/19/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

us-docketing@qualcomm.com kascanla@qualcomm.com nanm@qualcomm.com

	Application No.	Applicant(s) MANTRAVADI ET AL.	
Supplemental	10/773,646		
Notice of Allowability	Examiner	Art Unit	
	EUGENE YUN	2618	
The MAILING DATE of this communication ims being allowable, PROSECUTION ON THE ME ith (or previously mailed), a Notice of Allowance (P	RITS IS (OR REMAINS) CLOSED i	n this application. If not includ	ed

	EUGENE Y	JN	2618	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Right of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAIN or other approach of the control of the	S) CLOSED in this app opriate communication application is subject to	lication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to printer rush filed 4/28/	<u>′2009</u> .			
2. 🔀 The allowed claim(s) is/are <u>1-36</u> .				
 Acknowledgment is made of a claim for foreign priority un a)	been receive been receive cuments have	d. d in Application No been received in this r	national stage applica	
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give				OTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftsperso 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	on's Patent D Amendment 84(c)) should	rawing Review(PTO-9 / Comment or in the O	ffice action of	back) of
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 				Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. [7. [8. [9. [☐ Notice of Informal Pa☐ Interview Summary Paper No./Mail Date Examiner's Amendm Examiner's Stateme Other	(PTO-413), e nent/Comment	wance
		uc Nguyen/ pervisory Patent Exa	ıminer, Art Unit 261	8

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Stanton Braden on 5/13/2009.

The specification has been amended as follows:

[0046] The derivation of the channel frequency response estimate H^b based on received pilot symbols for pilot subbands is described in detail in commonly assigned U.S. Patent Application Serial No. [[Attorney Docket No. 030287]]10/741,524, entitled "Channel Estimation for Spectrally Shaped OFDM Communication System," filed [xxx]12/19/2003. The vector H^b may also be derived in other manners, such as with a minimum mean square error (MMSE) technique.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EUGENE YUN whose telephone number is (571)272-7860. The examiner can normally be reached on 9:00am-6:00pm.

Application/Control Number: 10/773,646 Page 3

Art Unit: 2618

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on (571)272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Eugene Yun Primary Examiner Art Unit 2618

/Eugene Yun/ Primary Examiner, Art Unit 2618 /E. Y./ Primary Examiner, Art Unit 2618